New measures of ageing and policy implications



Stuart Gietel-Basten, HKUST

UN Expert Group Meeting: Measuring Population Ageing: Bridging Research and Policy, 25-26 Feb 2019

Doom and gloom



China's Aging Population Is a Major Threat to Its Future







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China's Aging Population Is a Major Threat to Its Future



NEXTSHARK NEWS FEATURES CULTURE ENTERTAINMENT FOOD BUSINESS SPORTS

South Koreans Aren't Marrying or Even Dating, Report Says



EAST ASIA

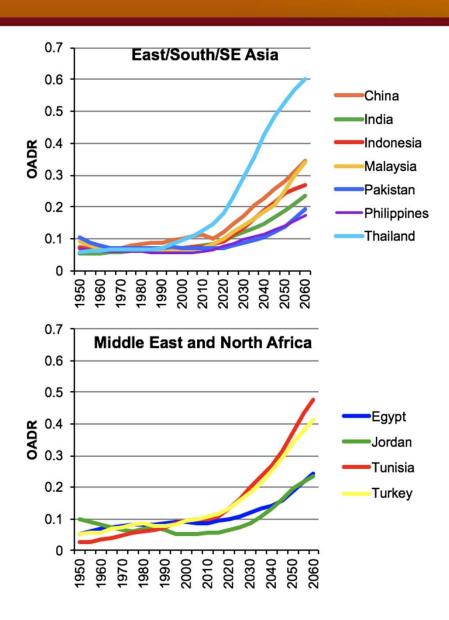
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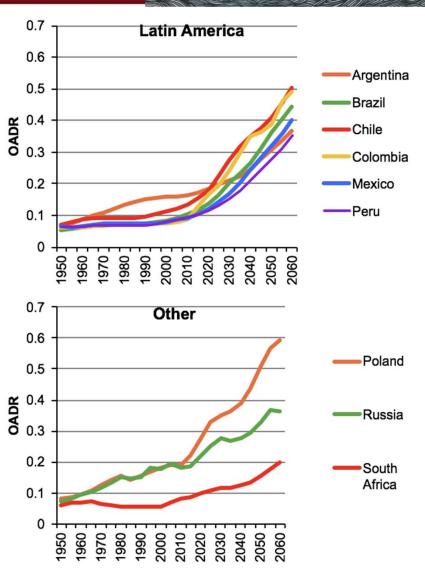
Steve Miller

South Korea Aims to Turn Around 'Extreme' Birth Rate Crisis

OADRs in EMs







A range of 'better' concepts and measures

Measurement suites

- NTA
- Pensioner-worker ratio; pension cost dependency ratios
- Health care cost old-age dependency ratios
- Economic dependency ratios
- Prospective measures

Paradigms

- 'Demographic metabolism'
- Compression of morbidity
- Second Demographic Dividend

Trade-offs

- Comparative vs specific
 - Generation of data; protocol?
 - E.g. pension systems?
- Retrospective/current vs prospective
 - Assumptions? Consistency?
 - Certainty of population projections by age/place
- Ease of interpretation (for policymakers)
 - NTAs?
- Feedback and dimensions
 - Pensions, health and welfare

What can you do with them?

POADR:

- Misinterpreted 'retire at 75??'
- 'Nice, but too theoretical, hypothetical'

NTA

– Tells us about now, but what about the future?

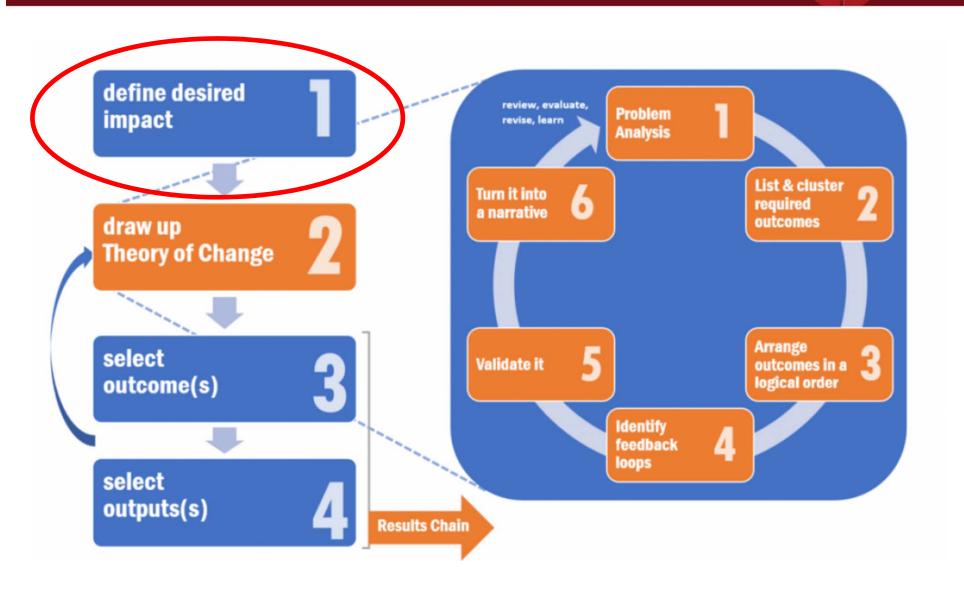
Pensioner-worker ratios

- Hugely complex fiscal econometrics
- Economists laugh at demographers!

Maybe my imagination...

- Between demographers and other stakeholders
 - Measuring and estimating demand
 - Above PLUS broader aspiration for how society should/could be?

A theory of change approach?



SDGs

































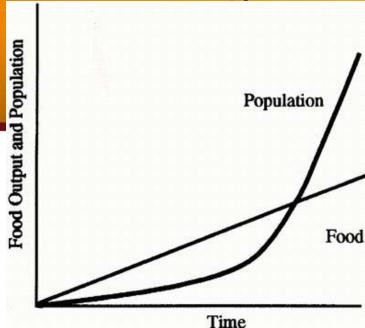


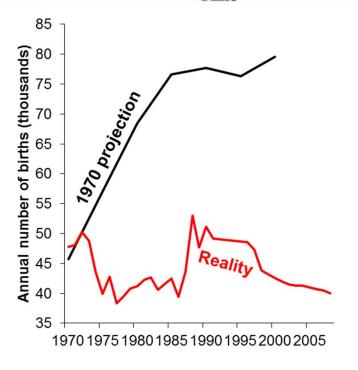
Can we reconcile?

- 'Silver tsunami'
 - Intuitive, easy to sell
 - Gets research money; sells newspapers
 - Fundamentally inaccurate
- New measures
 - More dynamic and positive; harder to explain
- Theory of change/end point approach
 - Aspirational? Data as baseline and evaluation
 - Universal applicability?

What do actually want of these measures?

- What is the point of a projection/forecast?
- To show the nature of challenge ahead
 - What we need to 'manage'
 - Passive
- To elicit a response?
 - Bring a slow-moving issue into sharp focus?



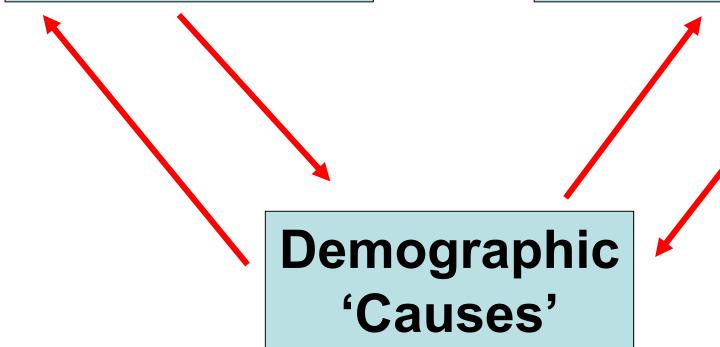


The uni-dimensional, 'closed loop approach



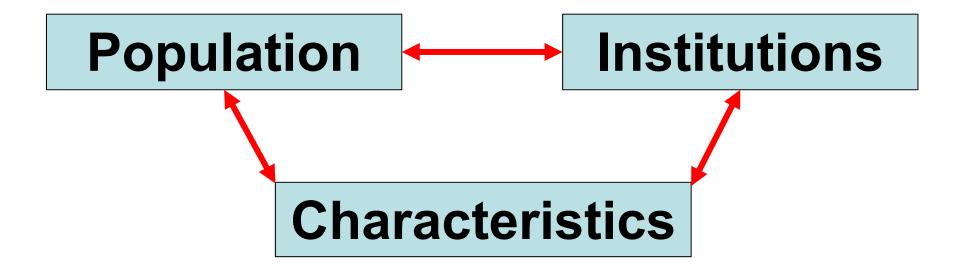
Demographic 'Problems'

Demographic 'Solutions'



An alternative, integrated view





Applied to China

Stagnation and decline; fewer children

Major reform of systems of childbearing and parenting?

Tackle consequences: Productivity; pension systems; healthcare; filial piety; etc

Population

Institutions

(Offset thru BRI?)

Characteristics

Healthier, better educated, able to save more: potential for productivity gains and 'demographic metabolism'

BUT: high un(der)employment; challenges of productivity gains [reform institutions?]

A fundamental problem

Static, independent measures

- Dynamic, interdependent issues
 - POADR more dynamic, but still holds some aspects constant
- Variable outcomes
- Uncertainty; feedback effects
- Almost impossible to model correctly

A possible way forward?

- A two-dimensional approach
 - We have to do x because that's what the forecasts say
 - We want y, so we have to do x to get there
- Multiple prongs
 - Different measures for different people
 - Integrate different messages
 - Need for both REACTIVE and PROACTIVE policies

Recognising a multidimensional future

- Embrace uncertainty and interdependence
- Scenarios
 - SSPs (Shared Socioeconomic Pathways)
 - IPCC, IIASA?
- Translate qualitative storyline into quantitative measure or forecast?
 - Build upon assumption after assumption
- Some scenarios more favourable than others

(Half) conclusions

- Recognise different values of different measures for different people
- Demand aspiration uncertainty
- Known knowns, known unknowns etc

- Embrace uncertainty and interdependence
- Scenarios can be helpful mid-way

To be iconoclastic

- Why do we bother with measuring ageing?
- Too many variables, too many differences

Pensions, dementia, social security...

Or mainstreaming ageing?

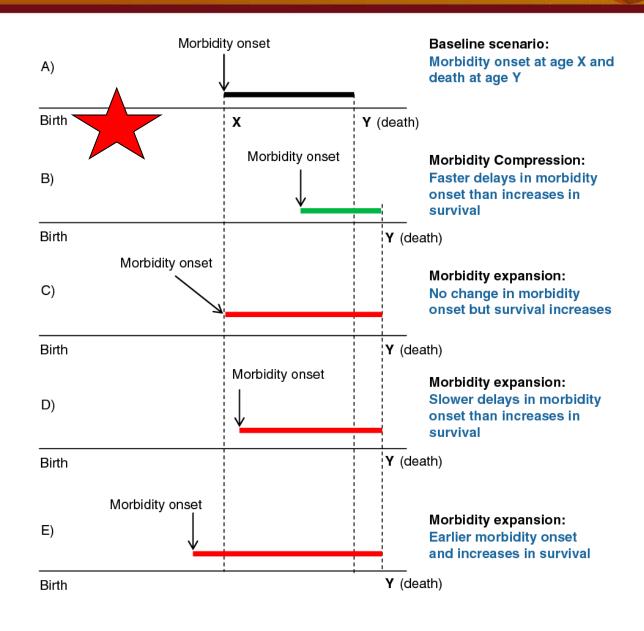
APPENDIX



Dealing with uncertainty

- No. of 75-year old Japanese men
 - With heart disease
 - Still driving a car
 - With disposable income of x
- GDP growth; tax receipts;
- Concepts like dependency? Welfare systems
- Danger we craft future according to forecasts; make them come true!

Compression of morbidity



At a whole population level



Standard critique of 'age boundary' based measures

- Poor specification of 'problem'
 - What happens at 65?
- Poor specification of populations
 - All >65 dependent?
 - All 18-64 in work?
- Generalizability
 - Assumes formal support systems?
- Ignore dynamic change over time
 - Health, wellbeing, education, longevity, LE

The uni-dimensional, 'closed loop approach

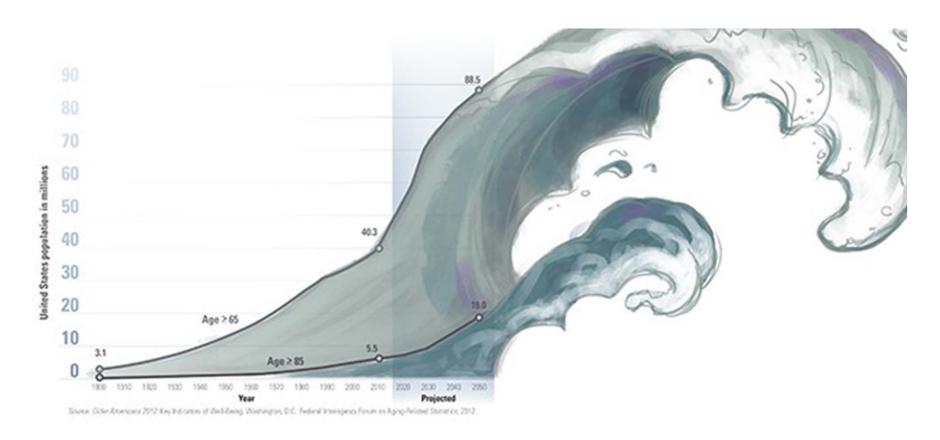


Demographic 'Problems'

Demographic 'Solutions'

Demographic 'Causes'

The 'silver tsunami': Policy paralysis?



Inevitable; overwhelming; slow moving, existential threat

The problem with that...

- Policies are not really working
- Or are impossible to operationalize (replacement migration)
- Children don't work (and divert resources)
- Uneven cohort
- Cost (political and economic)
- Assumes a 'optimum'
 - Population size; distribution etc